



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B32B 31/00	A1	(11) International Publication Number: WO 99/34976 (43) International Publication Date: 15 July 1999 (15.07.99)
(21) International Application Number: PCT/IL98/00623 (22) International Filing Date: 5 January 1999 (05.01.99) (30) Priority Data: 122857 5 January 1998 (05.01.98) IL (71)(72) Applicant and Inventor: BAR-EREZ, Yosi (IL/IL); Haf-ganim 26, 49935 Kfar Sirkin (IL). (74) Agent: FRIEDMAN, Mark, M.; Beit Samueloff, Haomanim Street 7, 67897 Tel Aviv (IL).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: METHOD AND APPARATUS FOR MAKING THREE-DIMENSIONAL OBJECTS**(57) Abstract**

A method of and apparatus for making a three-dimensional object (2) made of a plurality of performed sheets (3), one atop the other. The method includes coating one side of one sheet (3) with adhesive using applicator (20), coating the adhesive with a release agent using applicator (22), bonding the opposite side of twice coating sheet (3) to a sheet (3) thereunder using adhesive on the surface of sheet (3) thereunder, and cutting twice coated sheet (3) using cutter (30). These steps are repeated until the desired number of sheets (3) is provided in a stack. The release agent is coated only in those areas of sheets (3) which will not be part of object (2), and cutting of each sheet (3) is along a contour corresponding to the contour of the same respective layer in object (2). After the steps have stopped, portion of the stack where the release layer is present and which is not part of object (2) is removed from the stack to give object (2).

